# (19) World Intellectual Property Organization International Bureau



## - 1911) (1911) (1911) (1911) (1911) (1911) (1911) (1911) (1911) (1911) (1911) (1911) (1911) (1911) (1911) (1911)

### (43) International Publication Date 14 October 2004 (14.10.2004)

### **PCT**

# (10) International Publication Number WO 2004/088269 A1

(51) International Patent Classification:

G01M 3/22

(21) International Application Number:

PCT/GB2004/001409

(22) International Filing Date:

1 April 2004 (01.04.2004)

(25) Filing Language:

English

(26) Publication Language:

English

(30) Priority Data: 0307528.0

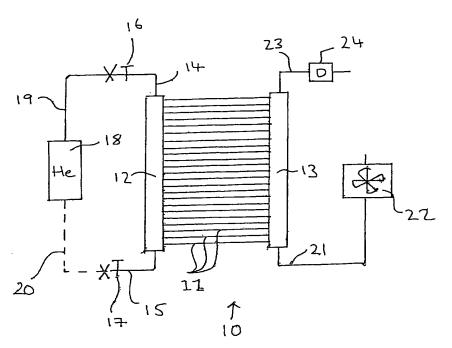
1 April 2003 (01.04.2003)

- (71) Applicant (for all designated States except US): WEST-ERN TECHNICAL SERVICES INTERNATIONAL LIMITED [GB/GB]; Unit 3 - Condor Quay, East Quay, Bridgwater, Somerset TA6 4DB (GB).
- (72) Inventor; and
- (75) Inventor/Applicant (for US only): WERNER, Thomas [GB/GB]; Bluebridge Barn, Moxhill, Nr. Combwich, Somerset TA5 2PN (GB).

- (74) Agents: HARRISON, Ivor, Stanley et al.; Withers & Rogers, Goldings House, 2 Hays Lane, London SE1 2HW (GB).
- (81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.
- (84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

[Continued on next page]

### (54) Title: DETECTION OF LEAKS IN HEAT EXCHANGERS



(57) Abstract: A method for the detection of leaks in a heat exchanger having discrete flow paths for working fluid and heat exchange fluid, respectively, the method comprises introduction of a detection fluid within one of said flow paths and allowing air to flow through the other of said flow paths causing the detection fluid to pass in different directions in said one flow path, and detecting any detection fluid which has leaked from said one flow path to said other flow path.

### WO 2004/088269 A1



### Published:

- with international search report

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.